

Figure 1. Typical client/server processes with their associated memory resource usage.

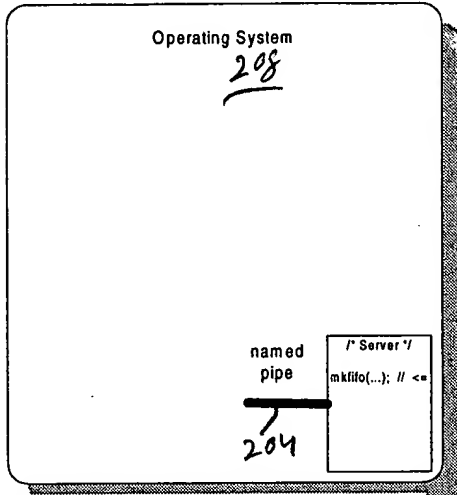


FIG. 2A

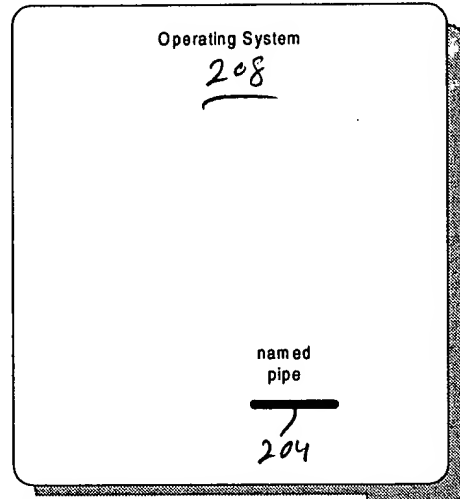


FIG. 2B

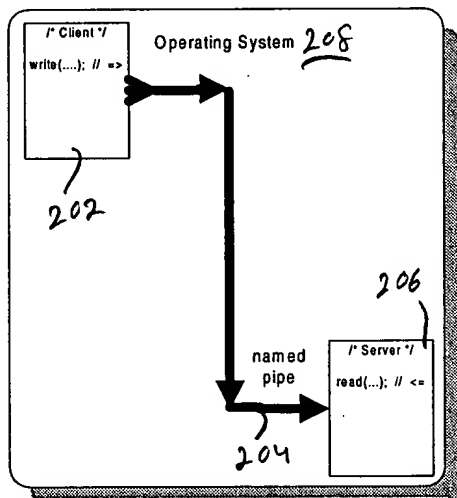


FIG. 2C

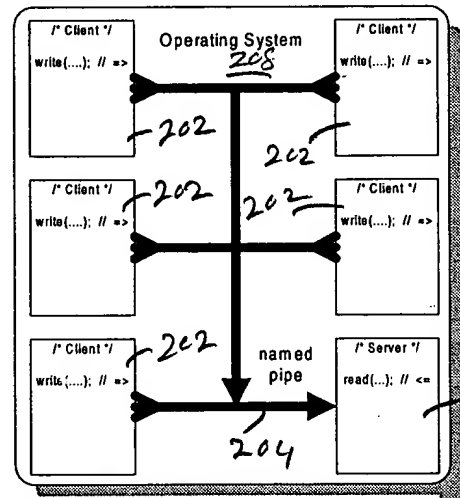


FIG. 2D

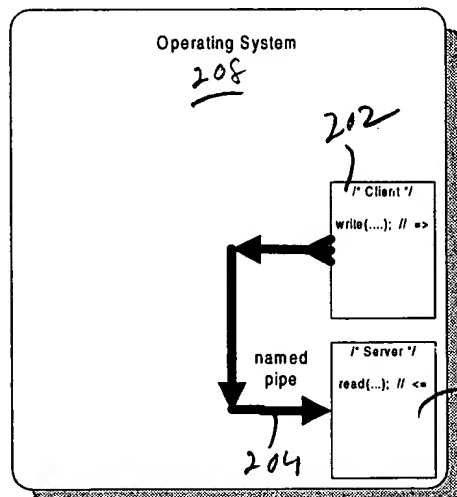


FIG. 2E

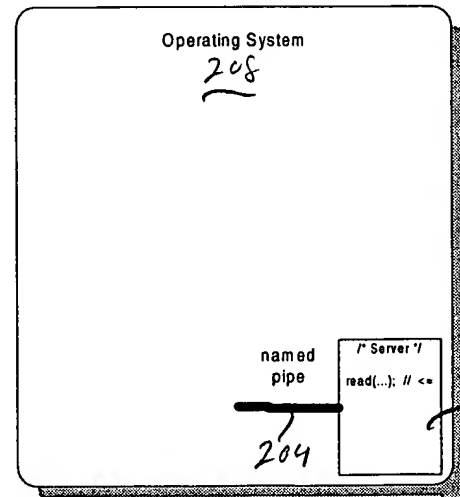


FIG. 2F

Step 1. A server process creates a FIFO special file (A.K.A. named pipe)

Step 2. The server process issues an activate\_on\_receipt() function call and exits.

Step 3. A client process writes to the FIFO special file, then the operating creates a new server process.

Step 4. Additional client processes write to the same FIFO special file. The server process continues to read.

Step 5. Most of the server processes exit.

Step 6. After the last client exits and no more data is available to be read, the cycle begins again (back to step 2).

0972677-13000

PROCESS A  
FILE DESCRIPTOR TABLE

0		304
1	POINTER	304
2		304

302

FILE  
DATA  
STRUCTURE

PROCESS B  
FILE DESCRIPTOR TABLE

0		304
1	POINTER	304
2		304

302

FIG. 3

0972677 113000

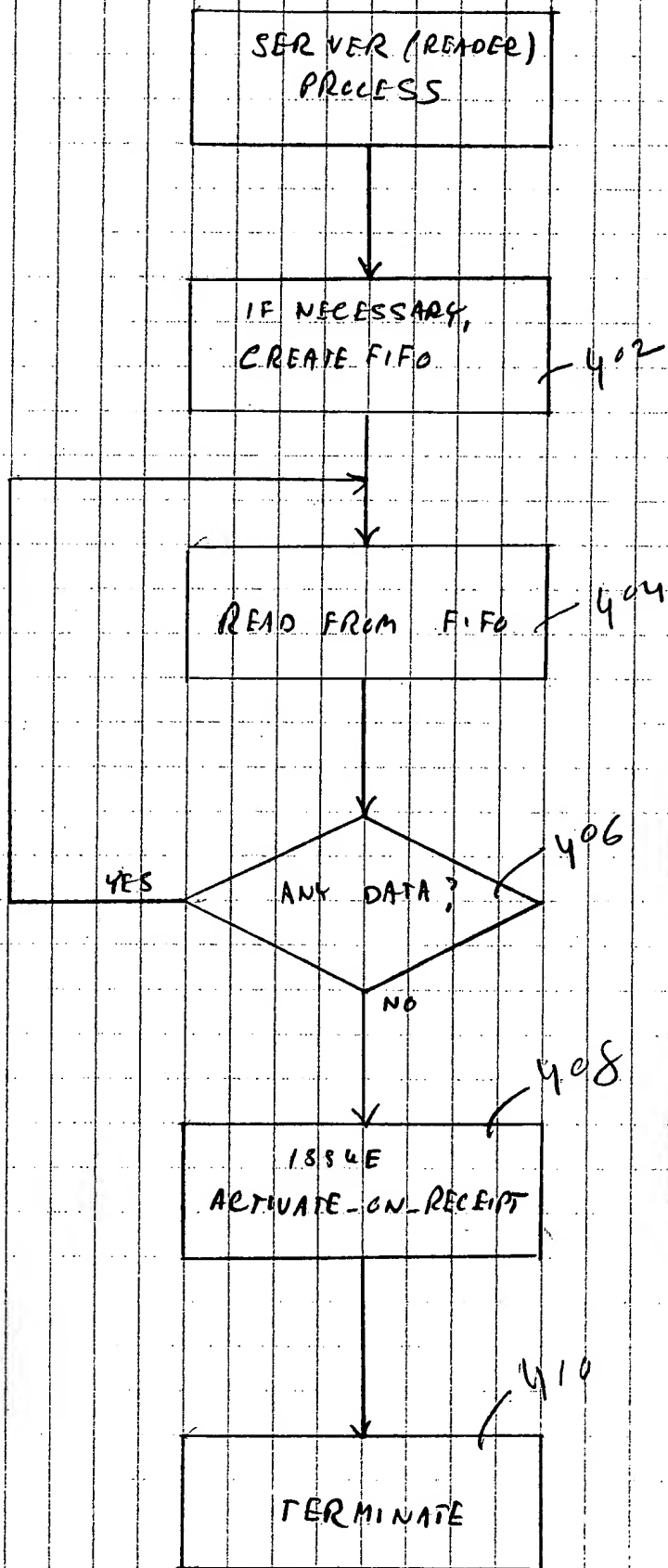


FIG. 4

Pou920000105US1

517

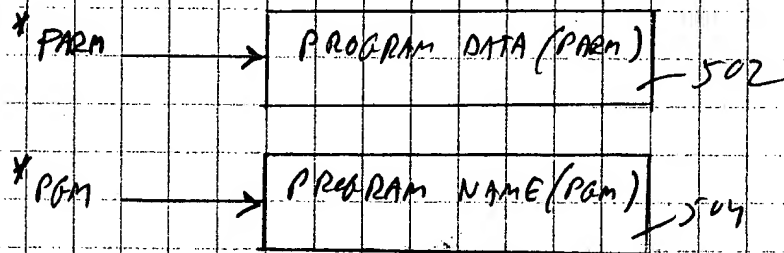


FIG- 5

0972677 13000

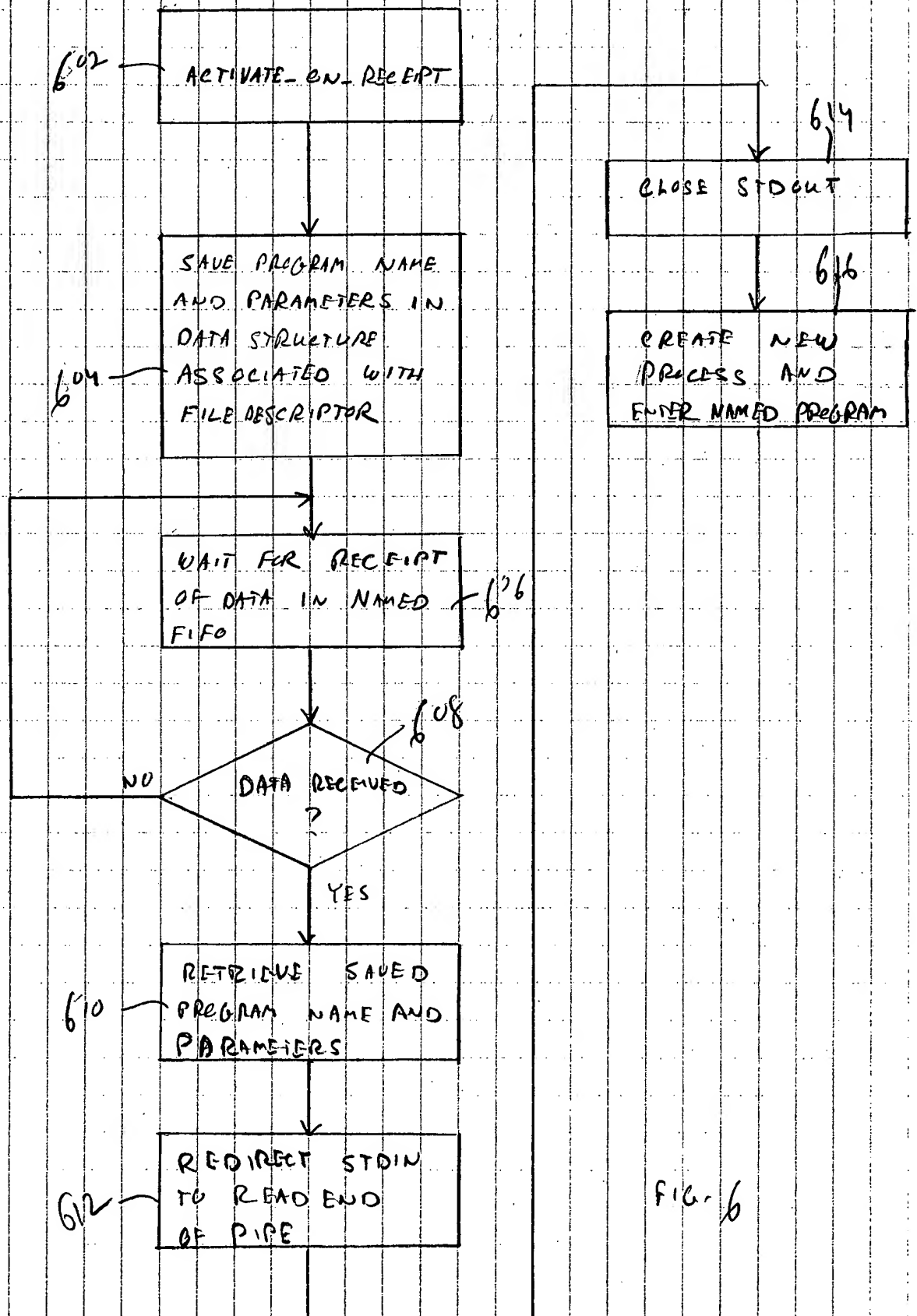


FIG. 6

09/26/77 133000

FIG. 7

